

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re application of:

JEFFREY W. RONNE et al.

Group Art Unit: 3616

Serial No.: 10/087,500

Examiner: Laura B. Rosenberg

Filed: March 1, 2002

For: SNAP-IN ROOF RAIL AIR BAG ASSEMBLY AND
METHOD OF INSTALLATION

Attorney Docket No.: GP-301390 (GM0447PUS)

**DECLARATION OF JEFFREY W. RONNE and JEFFREY J.
SCHULTZ UNDER 37 C.F.R. §1.131**

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

1. As stated in the attached Declaration and Designation of Correspondence Address filed with the United States Patent and Trademark Office on March 1, 2002 (Exhibit A), I am an inventor of the above-referenced invention.

2. As stated in Question 1 of the attached Record of Invention (Exhibit B), the subject matter of the Record of Invention (which includes the subject matter of claims 1-5 and 7-11) was disclosed outside of General Motors on September 15, 1999 and, therefore, was conceived no later than that date. The disclosure was made to an employee of Autoliv, Inc., a supplier of automotive air bag assemblies. The Record of Invention was signed by Jeffrey J. Schultz on March 26, 2001 and by Jeffrey W. Ronne on March 27, 2001.

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this paper, including all enclosures referred to herein, is being deposited with the United States Postal Service as first-class mail, postage pre-paid, in an envelope addressed to Commissioner for Patents, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, Virginia 22313-1450 on:

Sept. 23, 2005

Date of Deposit

Patrice Uchino Leland

Name of Person Signing

Patrice Uchino Leland

Signature

3. Notes of Mr. Schultz (Exhibit C, page 1) establish conception by Mr. Schultz and Mr. Ronne of snap-in clips permanently attachable to a roof rail with removable screws for servicing the air bag module no later than September 8, 1998. The Notes of Mr. Schultz (Exhibit C, page 2) further establish conception of the fastening portion and cushion retention tab subject matter of claims 1, 7 and 10 no later than October 27, 1998. The Notes of Mr. Schultz (Exhibit C, page 3) further establish conception of the air bag module, air bag with cushion retention tab, snap-in clip with fastening portion and serviceability attachment feature as claimed in claims 1, 3, 4 and 10 no later than September 21, 1999.

4. Notes of Mr. Ronne (Exhibit D, page 1) dated November 10, 1998 describe a snap-in roof rail airbag assembly. The Notes of Mr. Ronne (Exhibit D, page 2) dated September 7, 1999 provide drawings of snap-in clips permanently attachable to a roof rail, selectively attachable to the cushion retention tab and having a fastening portion and a removable serviceability attachment feature as claimed in claims 1 and 10. The Notes of Mr. Ronne (Exhibit D, page 3) dated September 15, 1999 show all of the subject matter of claims 1-5, 10 and 11 installable under the method of claims 7-9.

5. A physical embodiment of a roof rail air bag assembly having all of the elements and limitations of claims 1-5, 10 and 11 and installable under the method of claims 7-9 was first made in 1999. The model is no longer in existence and we are not in possession of any photographs of the model.

6. During the time period between September 15, 1999 and March 27, 2001, per request of Mr. Ronne and Mr. Schultz, design validation testing was carried out by Autoliv, Inc. an automotive supplier, and by General Motors Corporation. A brief description of the completed testing is found in response to question 10 of the Record of Invention (Exhibit B, page 3).

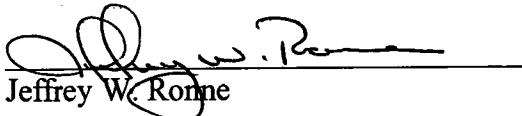
7. Exhibit E is correspondence between drafting attorney Marc Malooley, Mr. Ronne and Mr. Schultz establishing diligent efforts in drafting and reviewing the application at least between September 27, 2001 and November 19, 2001.

8. Exhibit F is a letter dated January 7, 2002 indicating that the completed application was mailed to Ms. Laura C. Hargitt of General Motors Legal Staff on that date.

9. Exhibit G is a printout of information contained in General Motors' docketing system indicating that the General Motors Patent Review Board approved preparation of a patent application for the invention on July 20, 2001. The Record of Invention was sent to Frederick Ritchie of the Brooks and Kushman law firm, Southfield Michigan (now of the Quinn Law Group, PLLC, Novi, Michigan) on August 3, 2001 for preparation of the application. The completed application was received by General Motors Legal Staff on January 9, 2002. Documents associated with the filing of the application and requiring signatures, such as the Declaration and Designation of Correspondence Address (Exhibit A), were sent to Mr. Ronne and Mr. Schultz for their signatures on January 30, 2002.

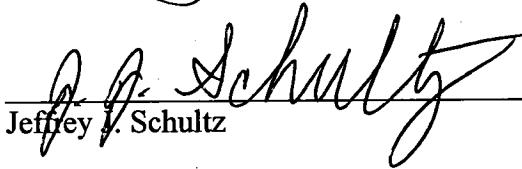
10. The acts relied upon to establish the date of invention were carried out in the United States.

I understand that willful false statements and the like are punishable by fine or imprisonment, or both and may jeopardize the validity of the application and any patent issuing thereon. All statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true.



Jeffrey W. Ronne

9/2/05
DATE



Jeffrey J. Schultz

9/2/05
DATE

**DECLARATION
and
DESIGNATION OF CORRESPONDENCE ADDRESS**

10/087,500
Exhibit A
Page 1 of 1

As an inventor named below, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought in the specification GP-301390 entitled

SNAP-IN ROOF RAIL AIR BAG ASSEMBLY AND METHOD OF INSTALLATION

I have reviewed and understand the contents of the above-identified specification including the claims, as amended by any amendment referred to in this Declaration.

I acknowledge my duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in title 37 Code of Federal Regulations, Section 1.56.

I further declare that all statements made above of my own knowledge are true, that all statements made above on information and belief are believed to be true, and that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under title 18 United States Code, Section 1001 and may jeopardize the validity of the application or any patent issuing thereon.

Address all communications to:

LAURA C. HARGITT
General Motors Corporation
Legal Staff
Mail Code 482-C23-B21
P.O. Box 300
Detroit, MI 48265-3000

Telephone: 313/665-4710

Inventor's signature



Date 2/21/02

Full name :

JEFFREY W RONNE

Citizenship: US

Residence :

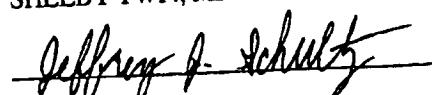
SHELBY TWP., MI

Post office address:

46291 MEADOWVIEW DRIVE

SHELBY TWP., MI 48317

Inventor's signature



Date 2/21/02

Full name :

JEFFREY J SCHULTZ

Citizenship: US

Residence :

SWARTZ CREEK, MI

Post office address:

6083 THORNCLIFF DRIVE

SWARTZ CREEK, MI 48473



GENERAL MOTOR
CORPORATION

10/087,500 Exhibit B
Page 1 of 7

File No.

GP-301390

18-APR-01

RECORD OF INVENTION

Part 1

This Record of Invention (Part 1) provides for the disclosure of your invention with the minimum detail necessary for an initial evaluation by a Review Board consisting of engineering/business management & Legal Staff personnel. The Review Board will consider novelty and competitive significance in determining the appropriate disposition of your invention. If the Review Board decides to pursue a patent on your invention, you will be required to prepare a Record of Invention (Part 2) containing the detailed disclosure necessary to enable the preparation of a patent application. If the Review Board decides to publish of your invention, you will be provided instructions for preparing a disclosure for publication.

Invention Title: SNAP-IN ROOF RAIL AIR BAG MODULE (CUSHION AND INFLATOR)
PLEASE PRINT OR TYPE

Inventor #1

Name: JEFFREY W. RONNE Citizen of: UNITED STATES
First Name Middle Initial Last Name

Social Security No. [REDACTED] GM Employee: Yes No Salary Hourly Contract

Home Address: [REDACTED] Street [REDACTED] City and State [REDACTED] Zip Code

GM Unit: NORTH AMERICAN ENGINEERING - INTERIOR GM Phone No. (8) [REDACTED] Centrex Number [REDACTED] (Area Code) + Number

GM Address: 4100 SOUTH SAGINAW PLANT, MI Mail Code: 485-303-1A FAX Number: (8) [REDACTED] Centrex Number [REDACTED] (Area Code) + Number

48557

Non-GM Employer: [REDACTED] Phone No. [REDACTED] (Area Code) + Number

Non-GM Employer Address: [REDACTED] Street [REDACTED] City and State [REDACTED] Zip Code

RECEIVED
GENERAL MOTORS CORPORATION

APR 25 2001

LEGAL STAFF

1 of 6

Inventor #2

First Name: Jeffrey Middle Initial: J Last Name: Schultz Citizen of: United States

Social Security No. [REDACTED]

GM Employee: Yes No Salary Hourly Contract

Home Address: [REDACTED] Street [REDACTED] City and State [REDACTED] Zip Code [REDACTED]

GM Unit: North American Engineering - Interiors GM Phone No. (8)- [REDACTED] Centrex Number [REDACTED] (Area Code) + Number [REDACTED]

GM Address: 4100 S. Saginaw St. Flint, MI Mail Code: 48557 FAX Number: (8)- [REDACTED] Centrex Number [REDACTED]

Non-GM Employer: [REDACTED] Phone No. [REDACTED] (Area Code) + Number [REDACTED]

Non-GM Employer Address: [REDACTED] Street [REDACTED] City and State [REDACTED] Zip Code [REDACTED]

Inventor #3 *

Name: [REDACTED] First Name [REDACTED] Middle Initial [REDACTED] Last Name [REDACTED] Citizen of: [REDACTED]

Social Security No. [REDACTED]

GM Employee: Yes No Salary Hourly Contract

Home Address: [REDACTED] Street [REDACTED] City and State [REDACTED] Zip Code [REDACTED]

GM Unit: [REDACTED] GM Phone No. (8)- [REDACTED] Centrex Number [REDACTED] (Area Code) + Number [REDACTED]

GM Address: [REDACTED] Mail Code: [REDACTED] FAX Number: (8)- [REDACTED] Centrex Number [REDACTED]

Non-GM Employer: [REDACTED] Phone No. [REDACTED] (Area Code) + Number [REDACTED]

Non-GM Employer Address: [REDACTED] Street [REDACTED] City and State [REDACTED] Zip Code [REDACTED]

* If there are more than three (3) inventors on a ROI use the template at the end of this form.

Answer the following questions, comprising information to the best of your knowledge.

1. This invention has been or is expected to be disclosed outside GM on: 9/15/01

11/03/01

2. This invention has been used or is committed to be used in production on: '03 CADILLAC CATERA

3. This invention has been offered for sale outside GM on: N/A

4. Was this invention made while working on a Government Contract? Yes No

If yes, identify the government Contract No. _____

5. Identify the product or process in which the invention is incorporated: '03 CADILLAC CATERA

ROOF RAIL AIR BAG MODULE

6. Provide enough detail of the specific new features, components, or steps that form the invention to enable a general understanding of its technical content and novelty. The description should be referenced by numerals to an attached drawing, (if appropriate), that highlights the specific features, components, or steps of the invention including the environment or assembly in which the invention is incorporated.

THE '03 CATERA ROOF RAIL AIR BAG IS UNIQUE IN THAT NO TOOLS ARE NEEDED FOR INSTALLATION TO THE VEHICLE SIDE RAIL. THE FEATURE THAT PROVIDES FOR "HAND" ONLY INSTALLATION IS A MODIFIED GARNISH MOLDING CUP. THE CUP WAS MODIFIED TO MEET OPERATOR ERGONOMIC REQUIREMENTS WHILE PROVIDING ADEQUATE RETENTION FOR AIR BAG DEPLOYMENT. A CLIP IS PROVIDED AT EACH CUSHION RETENTION TAB AND INFLATOR ATTACHMENT ALONG WITH A SCREW THAT ENABLES REMOVAL OF THE AIR BAG FOR SERVICE.

SEE ATTACHED DRAWINGS (JR 15001 & CO2 REV. 3/28/01)

1. Air Bag Inflator
2. Inflator Bracket
3. Air Bag Cushion Tab
4. Serviceability Screw
5. Snap-In Cup

7. What are the competitive benefits to be realized through the use of this invention? For example: cost, quality and performance improvements, new features and products, etc.

COST ADVANTAGE - NO TOOLING (ie DRIVERS) IN ASSEMBLY PLANT

- FASTER ASSEMBLY CYCLE TIME

ERGONOMIC ADVANTAGE - OPERATION CAN BE DONE FROM OUTSIDE OF VEHICLE

- OVERHEAD LIFTING OF TOOL IS ELIMINATED

- ATTACHMENTS MEET ERGONOMIC REQUIREMENTS

QUALITY - NO CROSSTHREADED ATTACHMENTS

8. To the extent known, what alternatives exist for accomplishing substantially the same result of this invention?

THREADED ATTACHMENTS

9. What are the technical benefits obtained, problems solved, and advantages realized over the alternatives identified in Item #8?

- ELIMINATES ERGONOMIC CONCERN OF ENTERING THE VEHICLE DURING ASSEMBLY AND OVERHEAD TOOL USE
- ELIMINATES POTENTIAL FOR CROSSTHREADED AND STRIPPED THREADS
- FASTER INSTALLATION CYCLE TIME

10. What is the state of development of this invention?

DESIGN VALIDATION IS COMPLETE. HOT TEMPERATURE (+85°C) TESTING IS COMPLETE. SUCCESSFULLY COMPLETED MULTIPLE FULL SCALE VEHICLE (21254 TESTS). COMPLETED THREE VEHICLE BUILD PHASES: BETA 1, BETA 2 AND PROTOTYPE.

PRODUCTION DESIGN IS COMPLETE, TOOLING IS IN THE PROCESS OF BEING CUT. ESTIMATED COMPLETION DATE FOR PRODUCTION TOOLING - 7/20/01.

I hereby assign this invention to General Motors Corporation
and authorize General Motors Corporation to file an application on my behalf.

10/087,500 Exhibit B

Page 5 of 7


INVENTOR - SIGNATURE

Jeffrey T. Schultz
(ALSO, PRINT NAME)

3/26/01
DATE


INVENTOR - SIGNATURE

Jeffrey W. Reme
(ALSO, PRINT NAME)

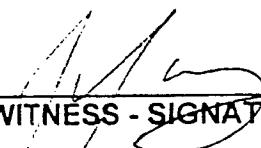
3/27/01
DATE

INVENTOR - SIGNATURE

(ALSO, PRINT NAME)

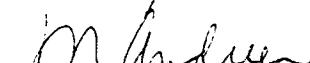
DATE

This invention was reviewed and understood by me:


1st WITNESS - SIGNATURE

Jim Khouy
(ALSO PRINT NAME)

3-27-01
DATE


2nd WITNESS - SIGNATURE

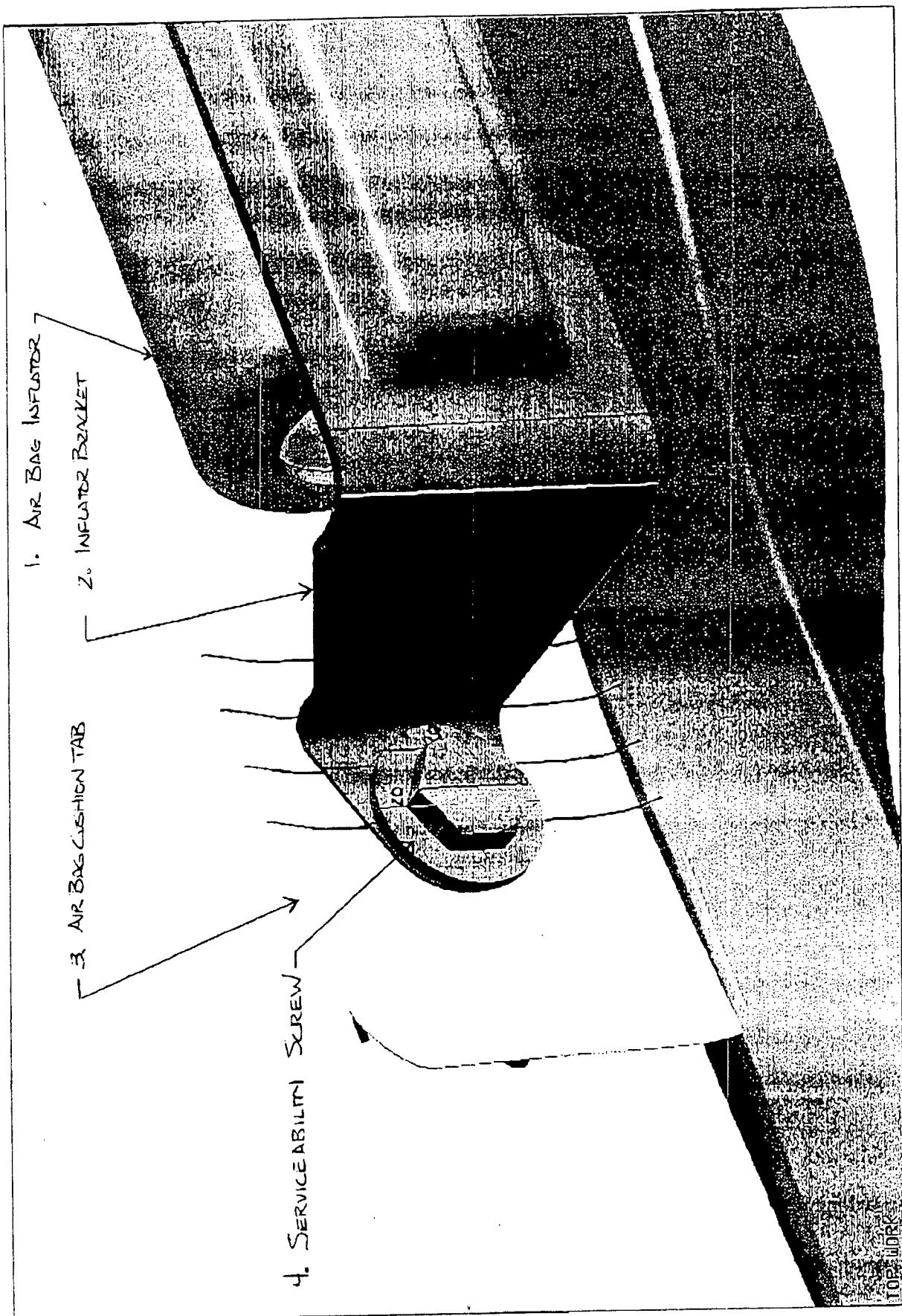
Margaret Andreen
(ALSO, PRINT NAME)

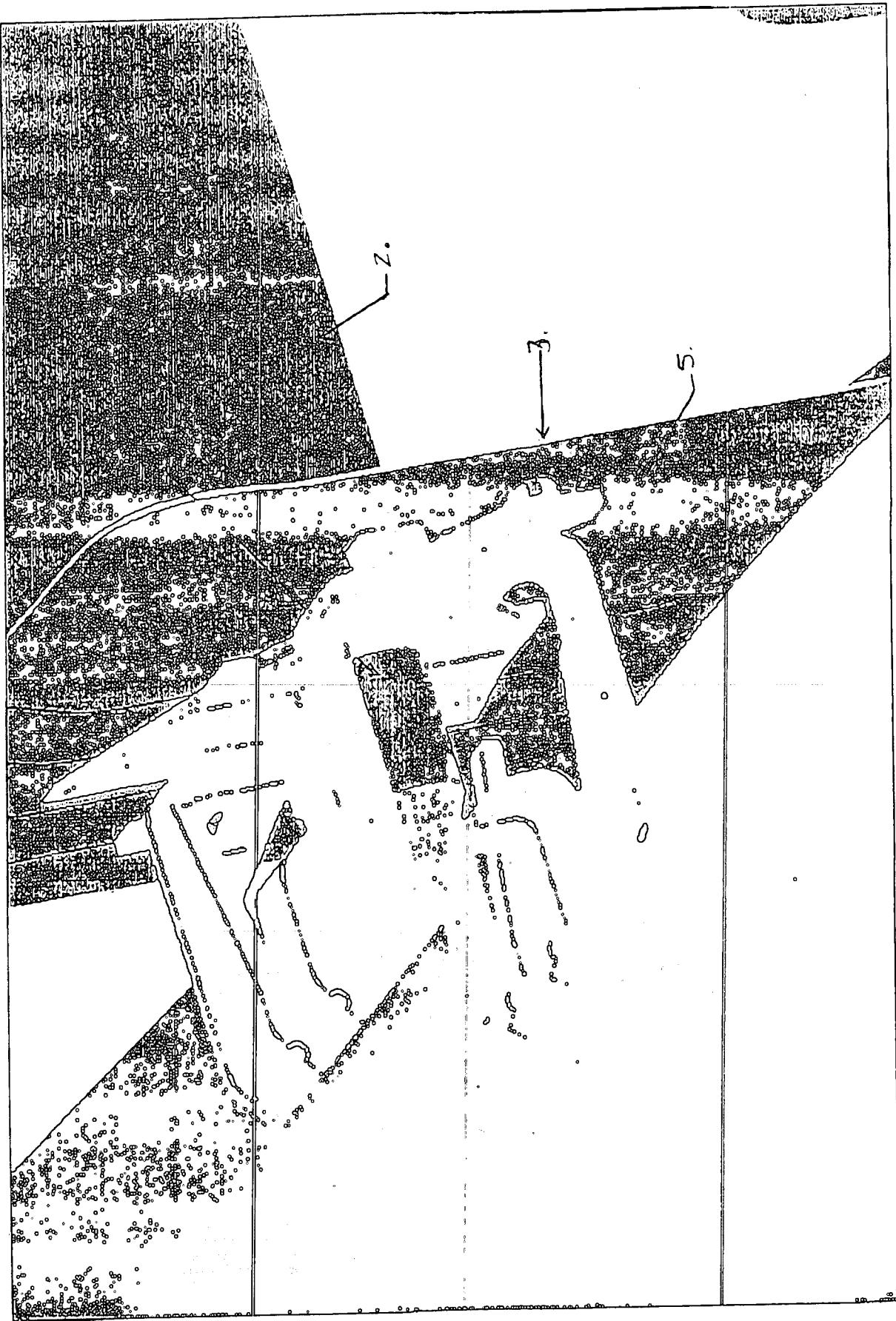
4-2-01
DATE

RECEIVED
GENERAL MOTORS CORPORATION

APR 25 2001

LEGAL STAFF





PDT Mtg. 9/8/98

- Ergonomic concerns w/ driving bolts overhead along roof rail
Contact Cynthia Hernandez
- Modular system w/ headliner?
 - Installation concerns
- All snap attachment RRAB system
 - Serviceable screws
 - clips stay in body rails

Need to review the following:

- Package study
- Develop clips to meet Ergo requirement and have high retention

Parallel path RRAB development with
Seat mounted SIAB → head/thorax system

- Possibly implement for GMX 320

Attendees

P. J.

J. R.

N. G.

T. M.

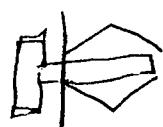
PIT Mtg. 10/27/98

Suppliers for RRAB System

- TRW
- Takata → NO
- Delphi → NO
- Autoliv

Suppliers for Developing clips

- Textron
- Emhart



- use screws to expand
clip legs?

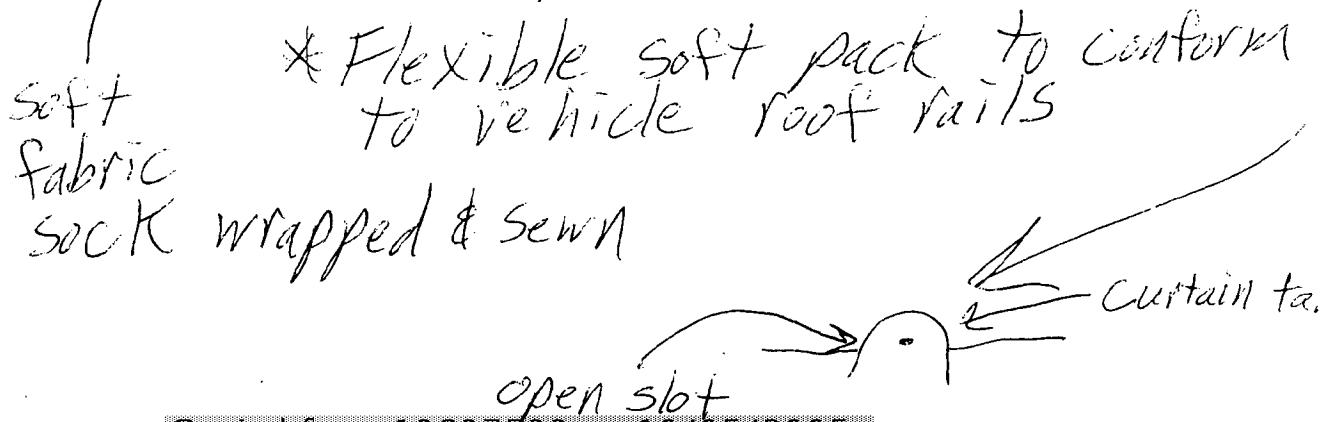
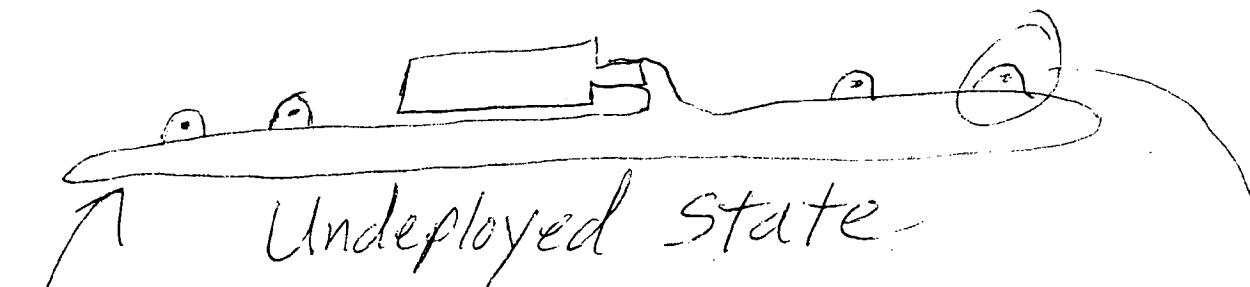
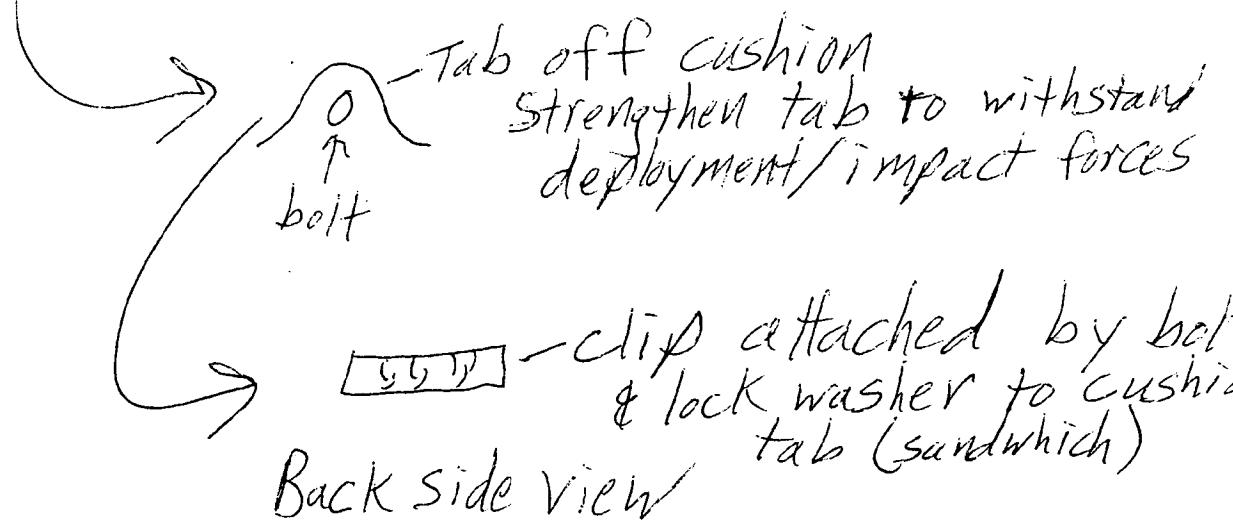
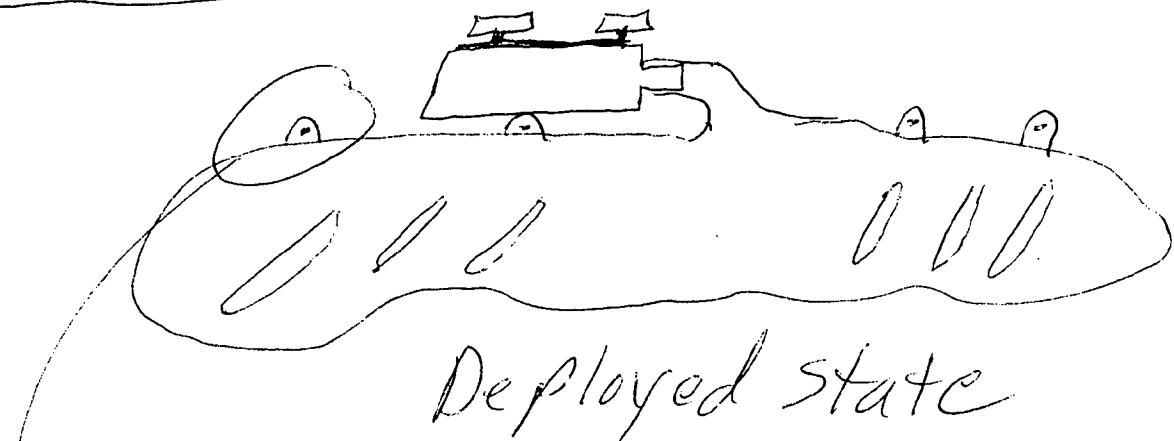
Use tab from curtain bag to
have bolt/screws POA to RRAB
assembly.

Should tabs be w/ curtain & cover?
- Chk. w/ Ronne

Body structure Rail type

- Hydro form
- welded → Thickness ~~10~~

9/21/99 GMX320 RRAB PDT Mtg.



VAP102 FEEDBACK

11/16/98
QWR

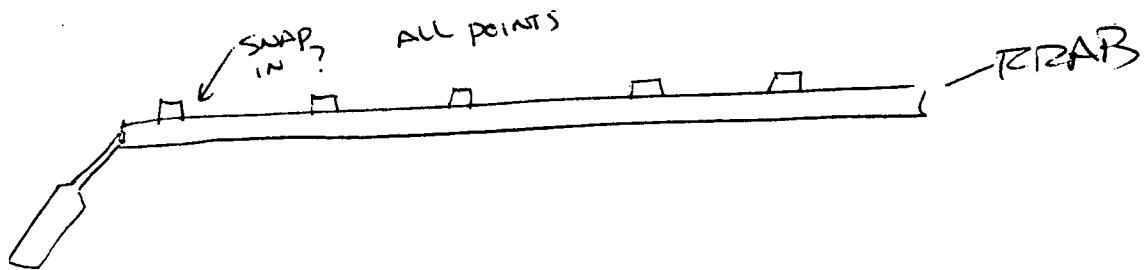
Park Avenue Roof Rail Airbag Study

w/ Penny

To: ED Z.

Primary Feedback

- PACKAGE SIZE CONCERN'S
- DEPLOYMENT ZONE (NO SPACE ABT'S TOWER TO B.P.LINER)
- RE DO HEADLINER
- DIAG HEAD CLEARANCE SACRIFICE
- D/HAM SAYS NO ABILITY TO ADD TOOLS TO EXISTING CELL (CAN WE SNAP-IN LIKE DRIVE AIR BAG?)



* DECISION - Finish Package Study & Determine
IF enough space exists. VIOLATION of Diagonal
head clearance No an option

- still ~~copied from 10807500 on 10/05/2005~~

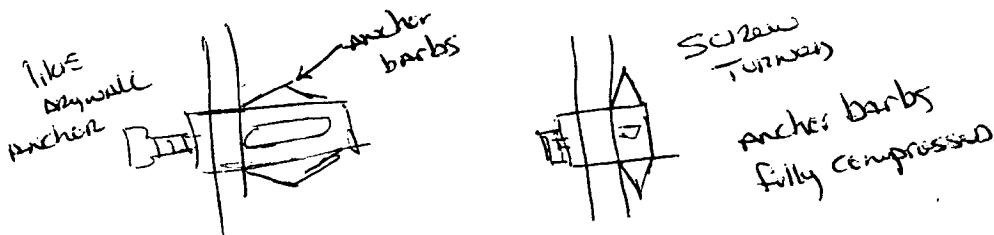
RRAB ATTACHMENTS

IF SNAP-IN - WHO CAN SUPPLY??

- FourSides?
- EMHART WAREN?
- TETRON?

STILL HAVE SERVICE CONCERN

(push TO SNAP?)
(UNSCREEN TO REMOVE?)



HOW TO SECURELY INSTALL WITHOUT TURNING BOLT / SCREW?

WHAT KIND OF ~~HOLE~~ HOLE SHAPE?

(ROUND, SQUARE, RECTANGLE)

- HOW DOES THIS IMPACT RETENTION?

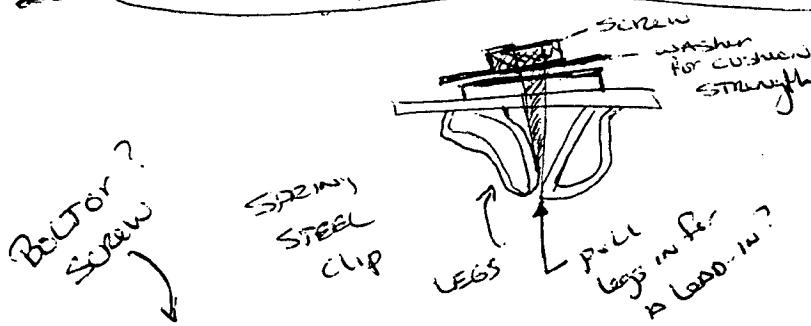
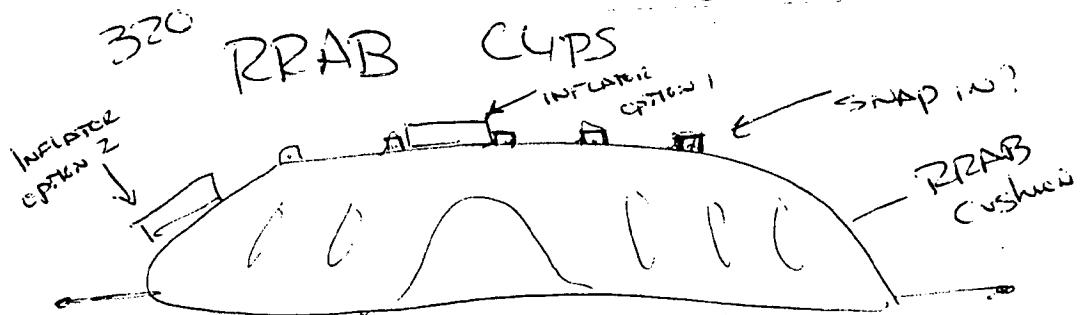
KNOWN - TRIM CLIPS SLIP ON A BLADE

(CAN WE CHANGE TO SCREW? WE HAVE
BOTH TAB ON CUSHION)

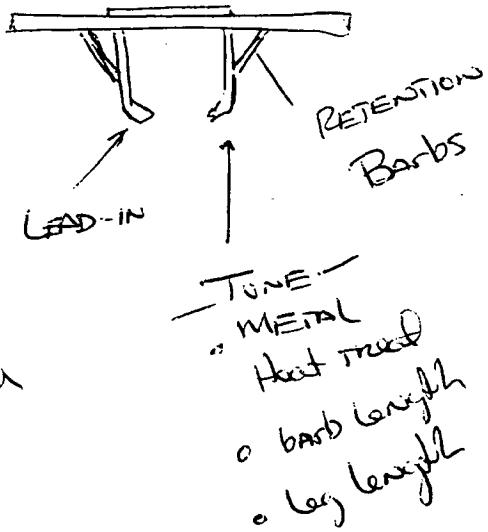
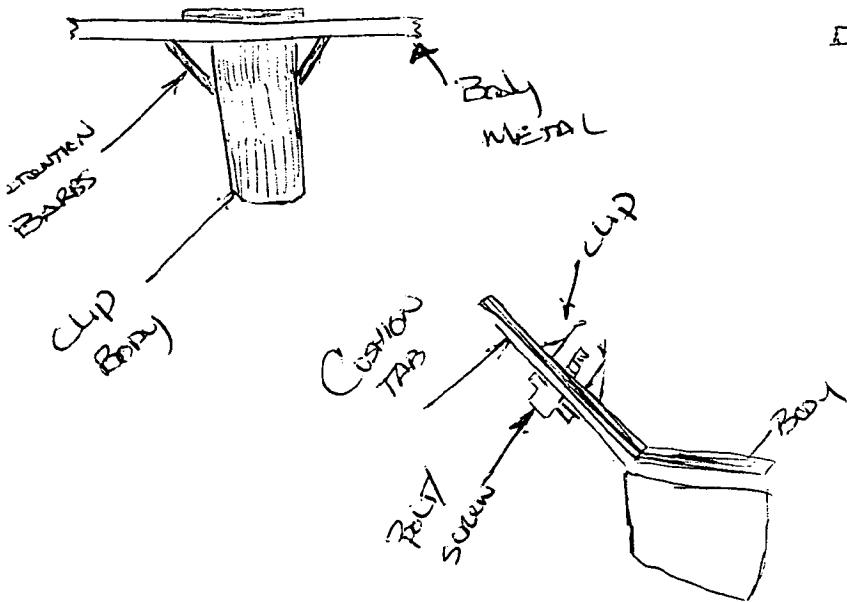
KNOWN - SCREW ENABLES SERVICE

①

9/15/99
DWR



what is inflation requirement?
what is extraction requirement?



NOTE

- Call Jeff Schurz
- RE: PDT
- Review
Assembly process
Allows cycle time

From: <jeffrey.j.schultz@gm.com>
To: "Marc Malooley"
Date: 11/19/2001 12:31 PM
Subject: Re: Snap-In RRAB: Patent Application Draft Revisions
CC: <jeffrey.w.ronne@gm.com>

Marc,

Everything looks good from this end, thanks for all of your help. Feel free to contact me at any time with any questions you may have.

Sincerely,
Jeff

"Marc Malooley" <MMALOOLEY@brookskushman.com> on 11/16/2001 06:18:31 PM

To: Jeffrey J. Schultz/US/GM/GMC@GM, Jeffrey W. Ronne/US/GM/GMC@GM
cc:
Subject: Snap-In RRAB: Patent Application Draft Revisions

Gentlemen:

Per my conversation with Jeff Ronne earlier this week, I revised the application to make it clear that the bracket is not an essential feature.

This involved changing the "Claims"--i.e., the eleven numbered paragraphs on pages 8 and 9. In addition, there are three paragraphs on page 4 (highlighted in the attached revision) that were changed to match the claims. Finally, I added specific language regarding the non-essential status of the bracket: this is found on page 6, also highlighted in the revision.

I took the opportunity to tighten up some other areas, but the important revisions are the two highlighted areas in the specification (main text) and the claims on pages 8 and 9.

Please review the attachment to see if it better captures your invention. Your comments have been very helpful and I look forward to hearing from you. Thanks.

11/19/2001

file:///C:/WINDOWS/TEMP/GW}00001.HTM

Copied from 10807500 on 10/05/2005

From: Marc Malooley
To: Jeff Ronne; Jeff Schultz
Date: 11/9/01 9:53AM
Subject: Snap-In RRAB: Patent Application Draft

Jeff^2:

Here's the draft of the application in MS Word format. I've included the drawings in PDF format so you can follow the numbering in the "Detailed Description" section.

Please make changes as necessary to either the text or the drawings; I look forward to your comments.

--MFM

From: Marc Malooley
To: jeffrey.w.ronne@gm.com
Date: 10/29/01 11:19AM
Subject: Re: Patent Application - Roof Rail Air Bag

Jeff:

I've attached two views of the RRAB that I will be using in the application. Can you have your draftsmen convert these 3-D renderings to line dwgs?

It will help my draftsman when he prepares the formal drawings for filing with the Patent Office. If you can e-mail me the drawing files (which should be a manageable size in 2-D), that would be best. However, if there is an issue with sending out actual drawing files, "JPEG's" will also work.

Thanks again.

--MFM

CC: jeffrey.j.schultz@gm.com

Marc Malooley - Re: Finalizing Dwgs

From: <jeffrey.w.ronne@gm.com>
To: "Marc Malooley"
Date: 10/19/2001 8:09 PM
Subject: Re: Finalizing Dwgs
CC: <jeffrey.j.schultz@gm.com>

Marc,

I have reviewed the attachment. I believe it accurately reflects the information from the two views I sent you.

Thank you,

Jeff

810-234-3406

"Marc Malooley" <MMALOOLEY@brookskushman.com> on 10/18/2001 02:13:38 PM

To: Jeffrey W. Ronne/US/GM/GMC@GM
cc:
Subject: Finalizing Dwgs

Jeff:

In case you didn't get my voice mail message:

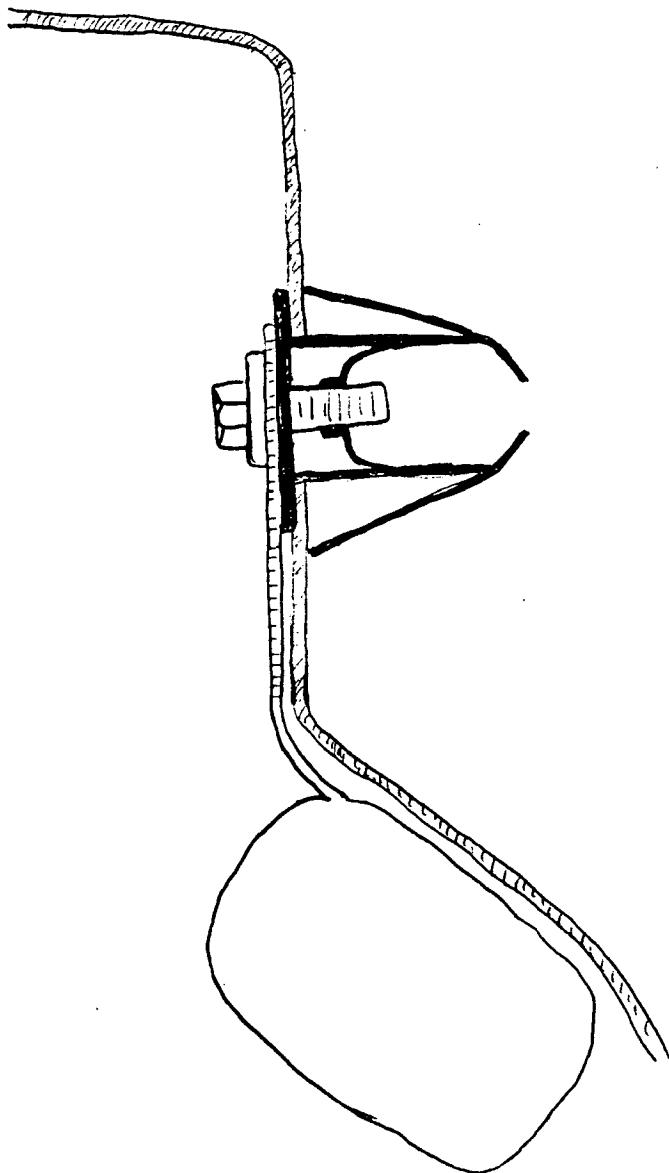
I've attached a sectional view of the snap-in assembly. I tried to combine both views you sent me into one dwg.

Please let me know if this matches the configuration of the actual device. Once we get this finalized, I'll have a draft of the application for you and Jeff Shultz to review. Thanks again.

--MFM

file:///C:/WINDOWS/TEMP/GW}00001.HTM

10/22/2001



From: <jeffrey.w.ronne@gm.com>
To: "Marc Malooley"
Date: 10/8/01 1:29 PM
Subject: Patent Application - Roof Rail Air Bag
CC: <jeffrey.j.schultz@gm.com>

Marc,

The following attachments will hopefully meet your needs concerning our patent application. I apologize for the amount of time it took to generate these files. Please review and let either myself or Jeff Schultz know if you need additional information or pictures.

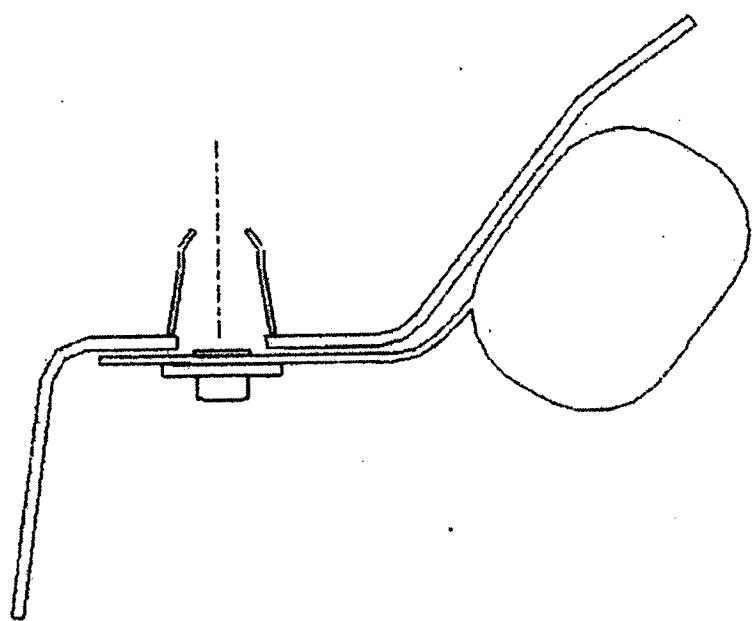
Thank you for your help,

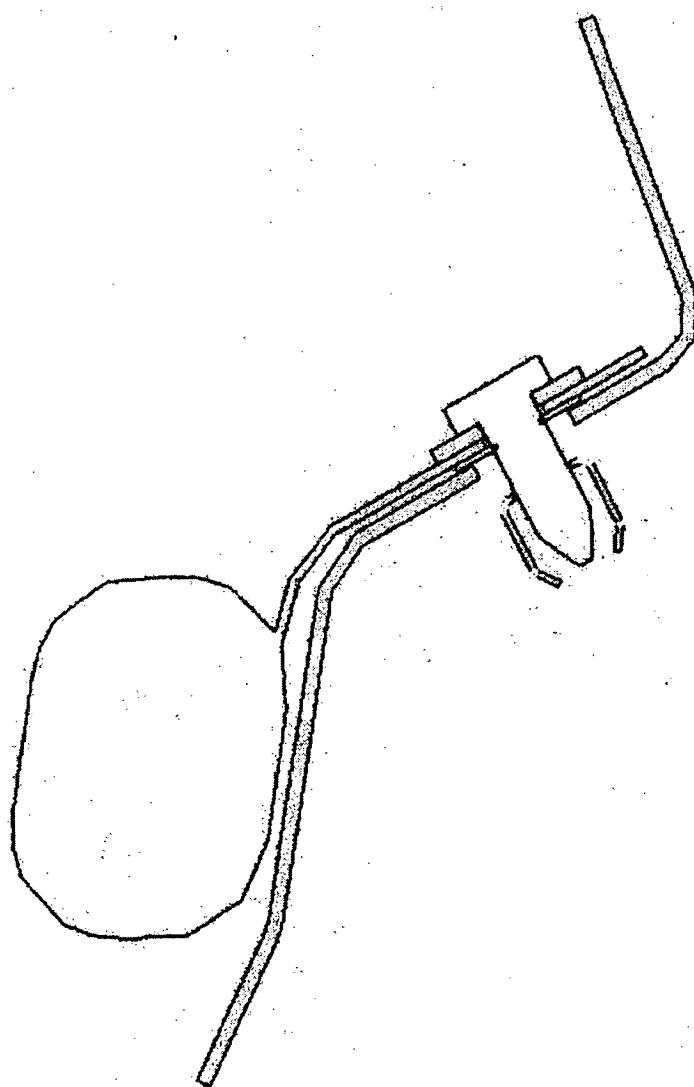
Jeff

810-234-3406
..... Forwarded by Jeffrey W. Ronne/US/GM/GMC on 10/08/2001
01:20 PM

Joko Winarto <cz5w2s@naeng.gm.com> on 10/08/2001 11:26:29 AM

To: Jeffrey W. Ronne/US/GM/GMC@GM
cc:
Subject:





Marc Malooley - Re: Snap-in Roof Rail Air Bag

10/087,500
Exhibit E
Page 9 of 12

From: <jeffrey.w.ronne@gm.com>
To: "Marc Malooley"
Date: 10/2/01 8:15 AM
Subject: Re: Snap-in Roof Rail Air Bag
CC: <jeffrey.j.schultz@gm.com>

Mark,

I have reviewed your .pdf file. Jeff and I should be able to provide you with the detail you are asking for. Unfortunately, due to some off-site meetings, I will not be able to get the information back to you until Friday. If you need anything else in the interim, please let me know.

Thank you,

Jeff

810-234-3406

From: Marc Malooley
To: jeffrey.w.ronne@gm.com
Date: 9/27/01 3:03PM
Subject: Jeff:

Jeff:

Attached are a couple of sample drawings that will give you an idea of what would be good to include with your patent application.

The first, labeled Fig. 1, shows the interior of a vehicle with a side air bag assy. installed. In this figure, the air bag is deployed (something we do not want to show in our drawing.) In general however, this is what is needed: a drawing that shows the snap-in air bag as appears after installation. This merely illustrates the relationship between your invention and its surroundings.

The next page shows "Fig. 3 and Fig. 4". It would be beneficial to show a sectional view of a roof rail with the snap-in assembly installed. Again, this is just additional detail as to how the snap-in clip interfaces with the roof rail, and where the air bag hangs in relation to it.

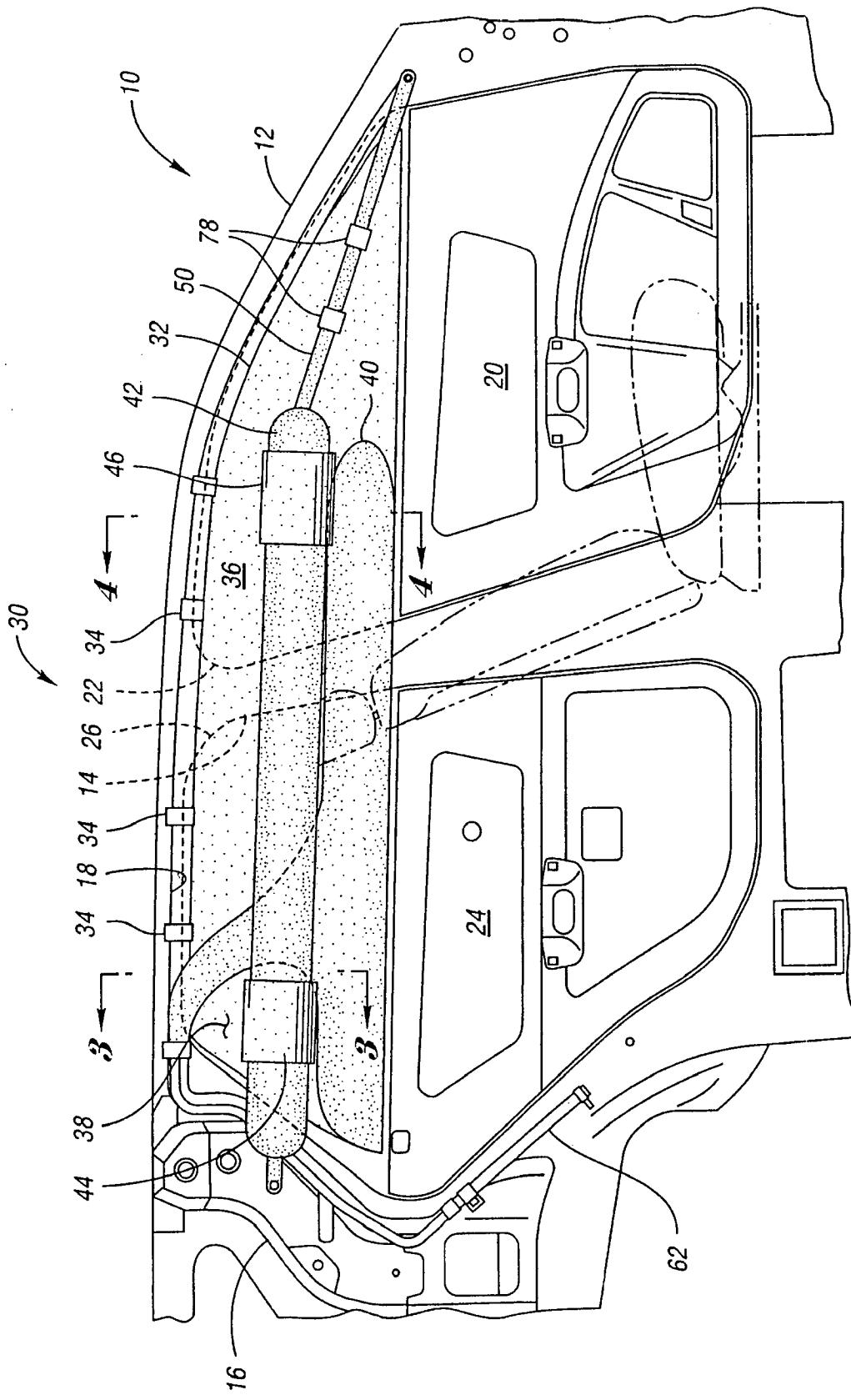
If you can provide these two drawings—one with the vehicle interior and one showing a sectional side view—it will enhance the description of the invention, and make it easier to understand. You can e-mail, fax, or mail the drawings to me.

Once these two drawings are incorporated, I will provide you and Jeff Shultz with a copy of the application draft, so that you can both make comments.

Thanks for your assistance in this matter; I look forward to hearing from you.

--MFM

P.S. I would have cc'd Jeff Shultz, but did not have his e-mail address.



U.S. Patent

Jul. 4, 2000

Sheet 3 of 15

6,082,761

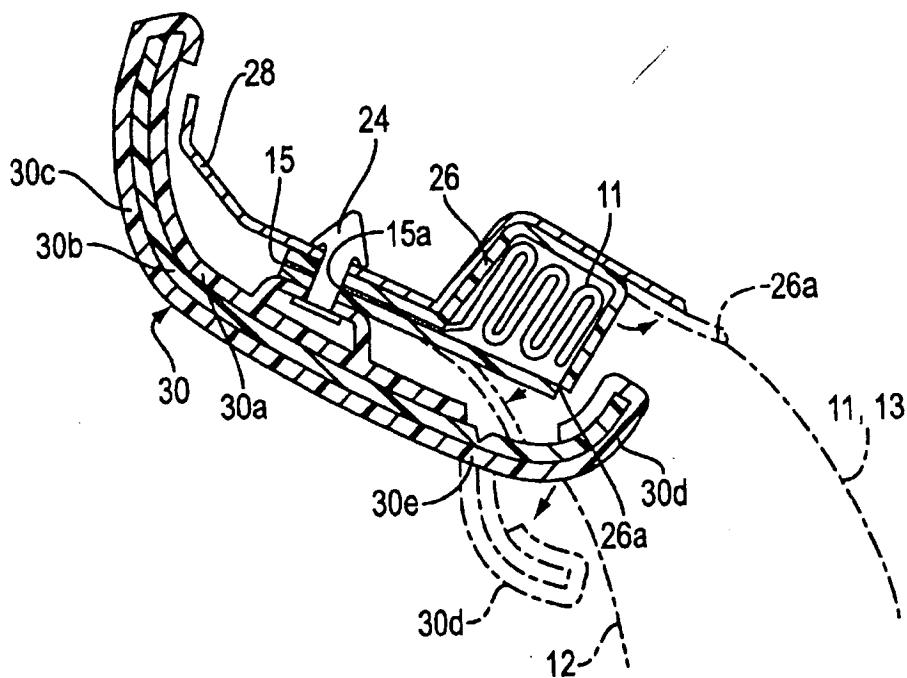


FIG. 3

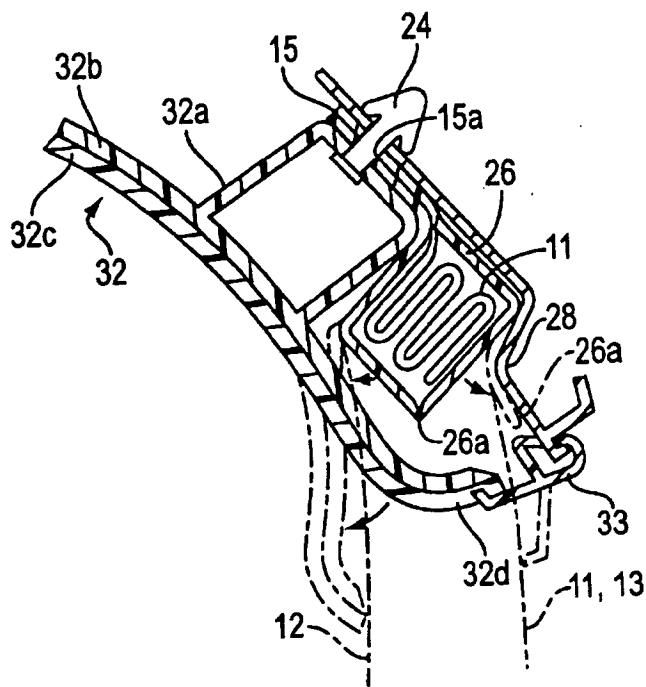


FIG. 4

BEST AVAILABLE COPY

Intellectual Property and Technology Related Causes

Ernie L. Brooks
 James A. Kushman
 David R. Syrowik
 Mark A. Cantor
 Ralph M. Burton
 Robert C. J. Tuttle
 Earl J. LaFontaine
 Ronald M. Nabozny

Thomas A. Lewry
 John E. Nemazi
 Kevin J. Heinl
 William G. Abbott
 Donald J. Harrington
 John M. Halan
 Jeffrey M. Szuma
 Maria Franek Angileri

Frank A. Angileri
 William G. Conger
 Christopher W. Quinn
 Sangeeta G. Shah
 George R. Mosher
 Frederick M. Ritchie
 John M. Sheridan
 Elizabeth F. Janda

Robert C. Brandenburg
 A. Frank Duke
 James R. Ignatowski
 David S. Bir
 James N. Kallis
 Hugo A. Delevie
 Mark E. Stuenkel
 Michael S. Brodbine

Seth E. Rodack
 Pete N. Kiousis
 Ginta D. Kukainis
 Philip Abromats
 Thomas W. Cunningham
 John S. LeRoy
 *Anessa Owen Kramer
 Jeremy J. Curcuri

Registered Patent Agents
 Mark D. Chuey, Ph.D.
 Stephanie M. Mansfield, Ph.D.
 John D. Russell, Ph.D.
 Robert C. Jones
 Matthew R. Mowers
 Matthew M. Jakubowski
 Marc Lorelli
 *Admitted in DC & MD

January 7, 2002

Ms. Laura C. Hargitt
 General Motors Corporation
 300 Renaissance Center
 MC 482-C23-B21
 P.O. Box 300
 Detroit, Michigan 48265-3000

Re: U.S. Patent Application
**SNAP-IN ROOF RAIL AIR BAG ASSEMBLY
 AND METHOD OF INSTALLATION**
 Inventors: Jeffrey W. Ronne et al.
 Your Ref.: GP-301390
Our File: GMCE 0119 PUS

Dear Laura:

Enclosed for filing in the U.S. Patent and Trademark Office are the following:

1. Patent application with drawings and reference number list;
2. Prior art references (U.S. Patent Nos. 5,458,367; 5,803,486; 5,988,735; and 6,082,761); and
3. Diskette with application and drawings (in Word format).

Also enclosed are two sheets of original color drawings that were requested to be returned to you.

This application was prepared by Marc Malooley. The drawings have also been e-mailed to Dave Leland. Please contact me if you have any questions or comments, or if you require anything further.

Very truly yours,

BROOKS & KUSHMAN P.C.



Christopher W. Quinn

CWQ/kd
 Enclosures



BEST AVAILABLE COPY

BEST AVAILABLE COPY

Invention record (17)	
Number	GP-301350
From	Patent Office
To	Patent Office
Local contact	D
Product	Product
Field	Field
Author	HARGITT
Local contact	SIMMONS
Governmental contact	Governmental contact
Type	Type
Number	Number
Title	SNAP-IN ROOF RAIL AIR BAG MODULE (CUSHION AND INFLATOR)
Comments	C. Don Ritchie, Inventor
FILE PER 7/20/01 PRB MTG. SENT TO FRED RITCHIE (BROOKS & KUSHMAN 8/3/01). RECD 1/9/02.	
D/S 1/30/02	

Exhibit G
10/087,500
Page 1 of 1